

Applicant : Ricardo Azpiroz et al.
Serial No. : 09/502,426
Filed : February 11, 2000
Page : 2 of 8

Attorney's Docket No.: 11696-070001

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1.-61. (Cancelled).

62. (Currently Amended) ~~The An isolated polynucleotide of claim 58, wherein said comprising a nucleic acid encoding a polypeptide has~~ having the amino acid sequence set forth in SEQ ID NO: 2.

63. (Currently Amended) The polynucleotide of claim ~~58~~62, wherein said polynucleotide further comprises a control element operably linked to said nucleic acid encoding said polypeptide.

64. (Previously presented) The polynucleotide of claim 63, wherein said control element is a tissue-specific promoter.

65. (Previously presented) The polynucleotide of claim 63, wherein said control element is an embryonic storage protein promoter.

66. (Previously presented) The polynucleotide of claim 63, wherein said control element comprises nucleotides 2102 to 3202 of SEQ ID NO: 1.

67.-79. (Cancelled).

Applicant : Ricardo Azpiroz et al.
Serial No. : 09/502,426
Filed : February 11, 2000
Page : 3 of 8

Attorney's Docket No.: 11696-070001

80. (Currently Amended) ~~The A transgenic plant of claim 76, wherein said containing at least one exogenous nucleic acid encoding a polypeptide has having the amino acid sequence set forth in SEQ ID NO: 2, wherein said nucleic acid encoding said polypeptide is operably linked to a control element.~~

81. (Cancelled).

82. (Currently Amended) The plant of claim ~~76~~80, wherein said control element is a tissue-specific promoter.

83. (Currently Amended) The plant of claim ~~76~~80, wherein said control element is an embryonic storage protein promoter.

84. (Currently Amended) The plant of claim ~~76~~80, wherein said control element comprises nucleotides 2102 to 3202 of SEQ ID NO: 1.

85. (Cancelled).

86. (Previously presented) A method of making a transgenic plant comprising introducing into a plant a polynucleotide comprising a nucleotide sequence encoding a polypeptide ~~effective for catalysing the hydroxylation of campestanol and having~~
(a) ~~greater than 43% sequence identity to~~ the amino acid sequence set forth in SEQ ID NO: 2;
(b) ~~60% or greater sequence identity to domain A of SEQ ID NO: 2; and~~
(c) ~~60% or greater sequence identity to domain B of SEQ ID NO: 2,~~ thereby making said transgenic plant.

87. (Cancelled).

Applicant : Ricardo Azpiroz et al.
Serial No. : 09/502,426
Filed : February 11, 2000
Page : 4 of 8

Attorney's Docket No.: 11696-070001

88. (Previously presented) An isolated polynucleotide comprising nucleotides 2102 to 3202 of SEQ ID NO: 1.

89. (Previously presented) The isolated polynucleotide of claim 88, wherein said polynucleotide comprises nucleotides 1 to 3202 of SEQ ID NO: 1.

90. (Cancelled).

91. (Currently Amended) A ~~plant or~~ bacterial host cell comprising the polynucleotide of claim 63.

92. (Cancelled).

93. (Previously presented) A method of producing a polypeptide comprising the steps of:
(a) providing the host cell of claim 91; and
(b) culturing said host cell under conditions whereby said polypeptide encoded by said nucleic acid is expressed.

94.-96. (Cancelled).

97. (Previously presented) The polynucleotide of claim 63, wherein said control element directs expression in vegetative tissue of a plant.

98. (Previously presented) The polynucleotide of claim 97, wherein said vegetative tissue is root tissue.

Applicant : Ricardo Azpiroz et al.
Serial No. : 09/502,426
Filed : February 11, 2000
Page : 5 of 8

Attorney's Docket No.: 11696-070001

99. (Previously presented) The polynucleotide of claim 97, wherein said vegetative tissue is shoot tissue.

100. (Previously presented) The polynucleotide of claim 97, wherein said vegetative tissue is leaf tissue.

101.-114. (Cancelled).

115. (Currently Amended) The transgenic plant of claim ~~85~~80, wherein said control element directs expression in vegetative tissue of a plant.

116. (Previously presented) The transgenic plant of claim 115, wherein said vegetative tissue is root tissue.

117. (Previously presented) The transgenic plant of claim 115, wherein said vegetative tissue is shoot tissue.

118. (Previously presented) The transgenic plant of claim 115, wherein said vegetative tissue is leaf tissue.

119. -132. (Cancelled).